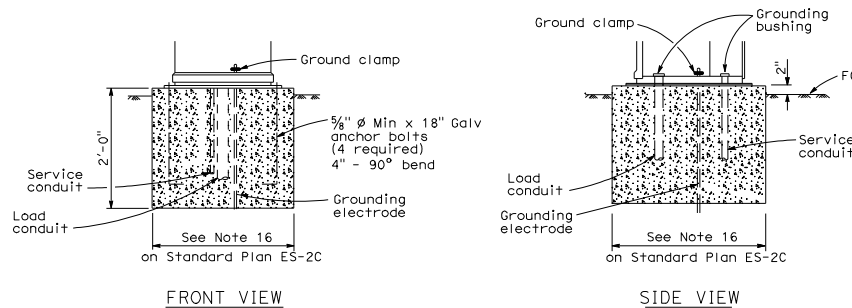
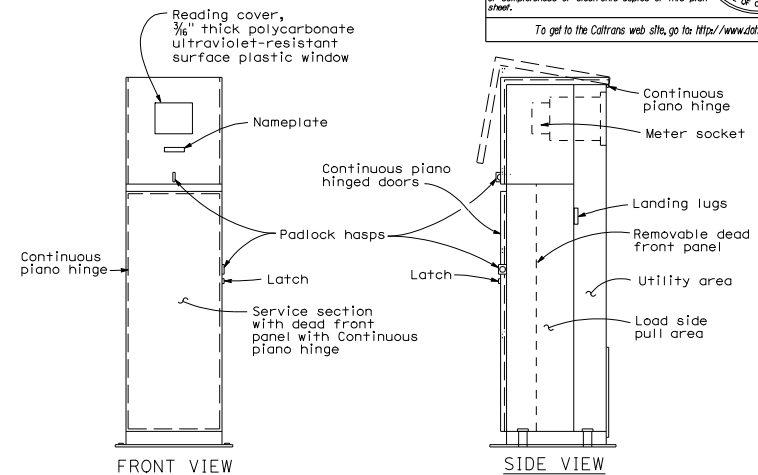


120/240 V SERVICE WIRING DIAGRAM (TYPICAL)

TYPE III-B SERVICE (120/240 V) EQUIPMENT LEGEND

ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
1	Neutral lug	
2	Landing lug (Note 6)	
3	Test bypass facility	
4	Meter socket and support	
5	Terminal blocks	
6	Neutral bus	
7	Ground bus	
8	Grounding electrode	
9	30 A, 2PNO Contactor	Sign Illumination
10	Photoelectric unit (Note 7)	
11	15 A, 1P, Test switch	Sign Illumination Test Switch
12	15 A, 120 V, 1P, CB	Sign Illumination Control
13	15 A, 120 V, 1P, CB	Flashing Beacon
14	30 A, 240 V, 2P, CB	Sign Illumination
15	100 A, 240 V, 3P, CB	Main Breaker
16	30 A, 240 V, 2P, CB	Lighting
17	50 A, 120 V, 1P, CB	Signals
18	30 A, 120 V, 1P, CB	Ramp Metering
19	20 A, 120 V, 1P, CB	Irrigation
20	15 A, 120 V, 1P, CB	Lighting Control
21	Photoelectric unit (Note 7)	
22	15 A, 1P, Test switch	Lighting Test Switch
23	60 A, 2PNO Contactor	Lighting
24	15 A, 120 V, 1P, CB	IISNS
25	30 A, 2PNO Contactor	IISNS
26	20 A, 120 V, 1P, CB	Telephone Demarcation Cabinet

BASE FOR TYPE III-B
SERVICE EQUIPMENT ENCLOSURETYPE III-B SERVICE EQUIPMENT
ENCLOSURE FOUNDATION DETAILSTYPE III-BF SERVICE EQUIPMENT ENCLOSURE
WITH PROVISIONS FOR ONE 100 A METER (TYPICAL)

NOTES: (FOR SERVICE EQUIPMENT ENCLOSURE)

1. Voltage ratings of service equipment shall conform to the service voltages indicated on the plans.
2. Unless otherwise indicated on the plans, service equipment items shall be provided for each service equipment enclosure as shown.
3. Connect to remote test switch mounted on lighting standards, sign post or structure when required.
4. Items No. 1 and 6 shall be isolated from the service equipment enclosure.
5. Meter sockets shall be 5 clip type.
6. The landing lug shall be suitable for multiple conductors.
7. Type I photoelectric control shall be used unless otherwise indicated on the plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATIONELECTRICAL SYSTEMS
(SERVICE EQUIPMENT AND
TYPICAL WIRING DIAGRAM,
TYPE III-B SERIES)

NO SCALE

ES-2E

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Jeffrey G. McFar
REGISTERED ELECTRICAL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to <http://www.dot.ca.gov>

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